

## ABSTRACT

A solid mesh swimming pool cover incorporates a mesh layer  
5 that has been successfully used as a porous mesh cover for  
several years with a thin impermeable base layer. A two-step  
polymer coating process seals the mesh to produce a solid safety  
swimming pool cover of unusual light weight and durability with  
an abrasion resistant bottom layer that has a low coefficient of  
10 friction to facilitate easy removal. The base layer is a plastic  
or resin product, such as a co-polymer resin, and the top layer  
is a mesh pool cover fabric, such as polypropylene. Ultraviolet  
(UV) inhibitors added to both coating step materials insure an  
extended service life. Since the mesh used for the centrally  
15 located mesh panels in the drain type solid cover of this  
invention uses the same mesh as the rest of the non-porous cover,  
it is more aesthetically pleasing since it blends in with the  
rest of the cover.

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